



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Sunshine Windows Manufacturing, Inc.

1745 W. 33<sup>rd</sup> Place

Hialeah, FL 33012

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "4320" Aluminum Fixed Window – N.I.

**APPROVAL DOCUMENT:** Drawing No. PW08-02, titled "Series 4320 Aluminum Fixed Window Non-Impact Resistant Glass", sheets 1 through 4 of 4, dated 11/20/08, with revision #2, dated 03/05/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** None

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 10-1109.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



*Handwritten signature and date: 6/28/13*

NOA No. 13-0416.15  
Expiration Date: September 16, 2018  
Approval Date: July 04, 2013  
Page 1

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 96-0512.04 and 08-0908.18)*
2. Drawing No. PW08-02, titled "Series 4320 Aluminum Fixed Window Non-Impact Resistant Glass", sheets 1 through 4 of 4, dated 11/20/08, with revision #2 dated 03/05/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.  
*(Submitted under previous NOA No. 10-1109.04)*

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per ASTM F 842-04 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5614, dated 07/12/08, signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under NOA No. 08-0908.18)*
2. Test reports on: 1) Air Infiltration Test, per SFBC, PA 202-94  
2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94  
3) Water Resistance Test, per SFBC, PA 202-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-1419, FTL-1420 and FTL-1421, dated 04/02/96 and 04/16/96, all signed and sealed by Gilbert Diamond, P.E.  
*(Submitted under NOA No. 96-0512.04)*

**C. CALCULATIONS**


1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 05/10/11, prepared, signed and sealed by Francisco Hernandez, P.E.  
*(Submitted under NOA No. 08-0908.18)*
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 13-0416.15  
Expiration Date: September 16, 2018  
Approval Date: July 04, 2013

**Sunshine Windows Manufacturing, Inc.**


**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, dated April 01, 2013, signed and sealed by Francisco Hernandez, P.E.
2. Statement letter of conformance, no financial interest and compliance with the FBC-2010, dated 03/09/12, signed and sealed by Francisco Hernandez, P.E.  
*(Submitted under previous NOA No. 10-1109.04)*

**G. OTHERS**

1. Notice of Acceptance No. **10-1109.04**, issued to Sunshine Windows Manufacturing, Inc. for their Series "4320" Aluminum Fixed Window – N. I., approved on 04/19/12 and expiring on 09/16/13.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 13-0416.15  
Expiration Date: September 16, 2018  
Approval Date: July 04, 2013

DESIGN PRESSURES CHART - PSF

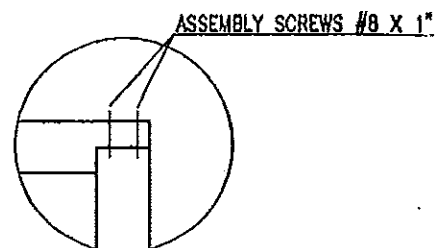
WINDOW SIZE L X S INCHES	NUMBER OF ANCHORS		3/16" TEMPERED GLASS		1/4" ANNEALED GLASS	
	LONG SIDE	SHORT SIDE	POS.	NEG.	POS.	NEG.
120 X 40	13	5	82.00	82.00	--	--
120 X 37	13	4	92.00	92.00	--	--
120 X 26	13	3	100.00	141.60	--	--
108 X 48	11	5	86.30	86.30	--	--
108 X 40	11	5	90.80	90.80	--	--
108 X 37	11	4	98.80	98.80	--	--
108 X 26	11	3	100.00	143.60	--	--
96 X 50	10	6	83.50	83.50	--	--
96 X 46	10	5	90.80	90.80	--	--
96 X 40	10	5	100.00	103.00	--	--
96 X 37	10	4	100.00	109.00	--	--
96 X 26	10	3	100.00	146.10	75.20	75.20
91 X 54	10	6	77.40	77.40	--	--
91 X 50	10	6	83.50	83.50	--	--
91 X 46	10	5	90.80	90.80	--	--
91 X 40	10	5	100.00	104.40	--	--
91 X 37	10	4	100.00	111.40	--	--
91 X 26	10	3	100.00	147.30	76.40	76.40
91 X 19	10	3	100.00	193.00	90.00	100.40
84 X 58	9	6	72.00	72.00	--	--
84 X 54	9	6	77.40	77.40	--	--
84 X 50	9	6	83.50	83.50	--	--
84 X 46	9	5	90.80	90.80	--	--
84 X 40	9	5	100.00	104.40	--	--
84 X 37	9	4	100.00	112.90	41.60	41.60
84 X 26	9	3	100.00	149.40	77.80	77.80
84 X 19	9	3	100.00	194.90	90.00	101.40
78 X 63	8	7	66.30	66.30	--	--
78 X 58	8	6	72.00	72.00	--	--
78 X 54	8	6	77.40	77.40	--	--
78 X 50	8	6	83.50	83.50	40.50	40.50
78 X 46	8	5	90.80	90.80	41.10	41.10
78 X 40	8	5	100.00	104.40	42.60	42.60
78 X 37	8	4	100.00	112.90	45.20	45.20
78 X 26	8	3	100.00	151.50	78.90	78.90
78 X 19	8	3	100.00	196.80	90.00	102.40

GLASS:

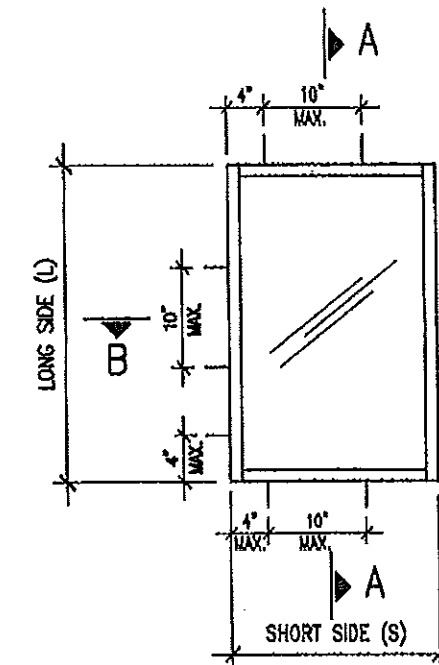
3/16" TEMPERED OR 1/4" ANNEALED GLASS.

DESIGN PRESSURES CHART - PSF

WINDOW SIZE L X S INCHES	NUMBER OF ANCHORS		3/16" TEMPERED GLASS		1/4" ANNEALED GLASS	
	LONG SIDE	SHORT SIDE	POS.	NEG.	POS.	NEG.
74 X 66	8	7	63.30	63.30	--	--
74 X 63	8	7	66.30	66.30	--	--
74 X 58	8	6	72.00	72.00	--	--
74 X 54	8	6	77.40	77.40	41.70	41.70
74 X 50	8	6	83.50	83.50	43.20	43.20
74 X 46	8	5	90.80	90.80	44.10	44.10
74 X 40	8	5	100.00	104.40	46.00	46.00
74 X 37	8	4	100.00	112.90	47.90	47.90
74 X 26	8	3	100.00	153.20	79.70	79.70
74 X 19	8	3	100.00	198.30	90.00	103.20
63 X 58	7	6	72.00	72.00	--	--
63 X 54	7	6	77.40	77.40	42.50	42.50
63 X 50	7	6	83.50	83.50	46.00	46.00
63 X 46	7	5	90.80	90.80	50.00	50.00
63 X 40	7	5	100.00	104.40	55.90	55.90
63 X 37	7	4	100.00	112.90	57.80	57.80
63 X 26	7	3	100.00	159.10	82.80	82.80
63 X 19	7	3	100.00	203.50	90.00	105.90
53 X 50	6	6	83.50	83.50	46.00	46.00
53 X 46	6	5	90.80	90.80	50.00	50.00
53 X 40	6	5	100.00	104.40	57.50	57.50
53 X 37	6	4	100.00	112.90	62.10	62.10
53 X 26	6	3	100.00	160.70	87.10	87.10
53 X 19	6	3	100.00	209.00	90.00	109.60
46 X 40	5	5	100.00	104.40	57.50	57.50
46 X 37	5	4	100.00	112.90	62.10	62.10
46 X 26	5	3	100.00	160.70	88.40	88.40
46 X 19	5	3	100.00	209.00	90.00	113.40
38 X 37	4	4	100.00	112.90	62.10	62.10
38 X 26	4	3	100.00	160.70	88.40	88.40
38 X 19	4	3	100.00	209.00	90.00	119.90
26 X 26	3	3	100.00	160.70	88.40	88.40
26 X 19	3	3	100.00	209.00	90.00	121.00



CORNER DETAIL #1

RECTANGLE  
TYPICAL ELEVATION

## GENERAL NOTES:

- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- CONCRETE STRENGTH  $f'_c=3,200$  psi MIN., CMU PER ASTM C90, FILLED CMU  $f_m=2,000$  psi MIN.
- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE"  $G=0.55$  OR GREATER DENSITY.
- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE  $F_y=36$  KSI MIN.
- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0416.15  
Expiration Date Sept. 16, 2018  
By *Manuel Perez*  
Miami Dade Product Control

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-1109.04  
Expiration Date 09/16/2013  
By *Francisco Hernandez*  
Miami Dade Product Control

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)384-8862  
Fax: (305)828-5118

SERIES 4230 ALUMINUM  
FIXED WINDOW  
NON-IMPACT RESISTANT GLASS

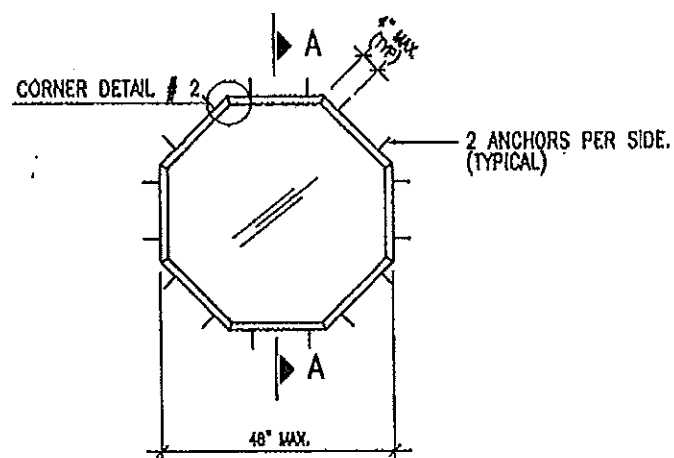
NO.	DATE	REVISION	UPDATED FOR 2007 FBC	UPDATED FOR 2010 FBC
1	05-12-11			
2	03-05-12			

DRAWING No.  
PW08-02

DATE: 11-20-08

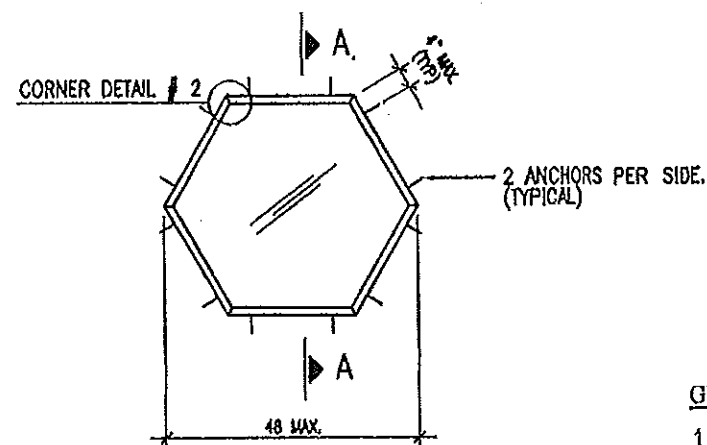
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SHEET 1 OF 4



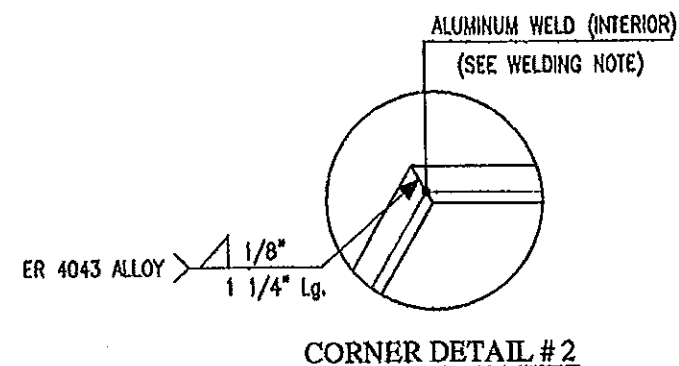
**OCTAGON**  
**TYPICAL ELEVATION**

DESIGN PRESSURE CHART - PSF				
WINDOW SIZE INCHES	3/16" TEMPERED GLASS		1/4" ANNEALED GLASS	
	POS.	NEG.	POS.	NEG.
48	100.00	140.00	66.90	66.90
42	100.00	170.00	80.80	80.80
36	100.00	170.00	90.00	103.00
30	100.00	170.00	90.00	146.00
24	100.00	170.00	90.00	170.00



**HEXAGON**  
**TYPICAL ELEVATION**

DESIGN PRESSURE CHART - PSF				
WINDOW SIZE INCHES	3/16" TEMPERED GLASS		1/4" ANNEALED GLASS	
	POS.	NEG.	POS.	NEG.
48	100.00	100.40	66.90	66.90
42	100.00	131.20	80.80	80.80
36	100.00	170.00	90.00	103.00
30	100.00	170.00	90.00	132.60
24	100.00	170.00	90.00	166.00



**GENERAL NOTES:**

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH  $f'_c=3,200$  psi MIN., CMU PER ASTM C90, FILLED CMU  $f_m=2,000$  psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE"  $G=0.55$  OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE  $F_y=36$  KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

**GLASS:**

3/16" TEMPERED OR 1/4" ANNEALED GLASS.

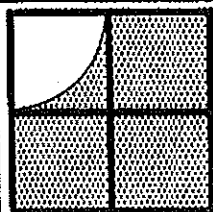
**WELDING:**

FOR CORNER WELDED CONNECTIONS USE 1/8" FILLET WELD WITH 1 1/4" MINIMUM LENGTH MADE WITH ER4043 FILLER ALLOY.

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0416-15  
Expiration Date Sept. 16, 2018  
By *Manuel B...*  
Miami Dade Product Control

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-1109-04  
Expiration Date 09/16/2013  
By *Francisco Hernandez*  
Miami Dade Product Control

*Francisco Hernandez*  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305) 364-9852  
Fax: (305) 828-6118

SERIES 4230 ALUMINUM  
FIXED WINDOW  
NON-IMPACT RESISTANT GLASS

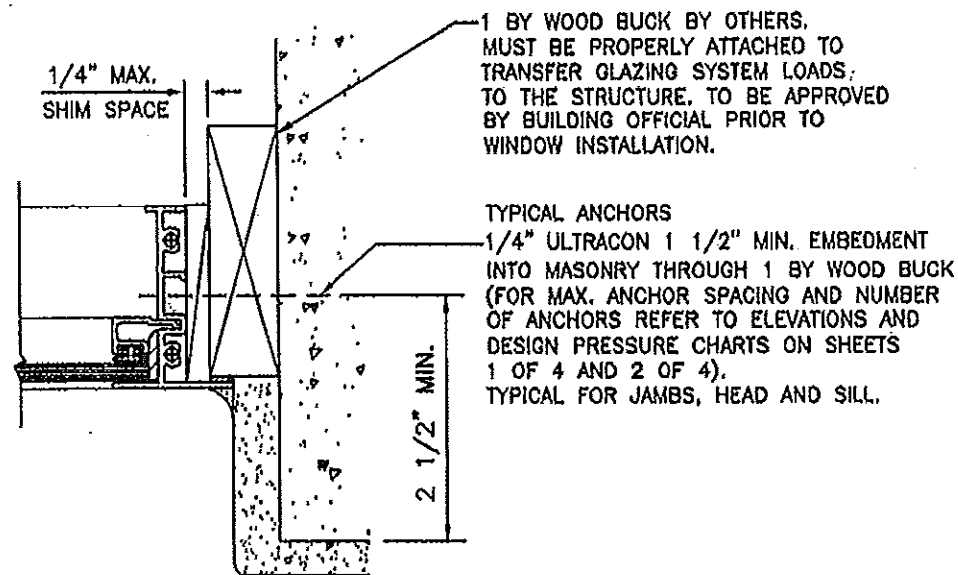
No.	DATE	REVISION	FOR 2007 FBC	FOR 2010 FBC
1	05-12-11			
2	03-05-12			

DRAWING No.  
PW08-02

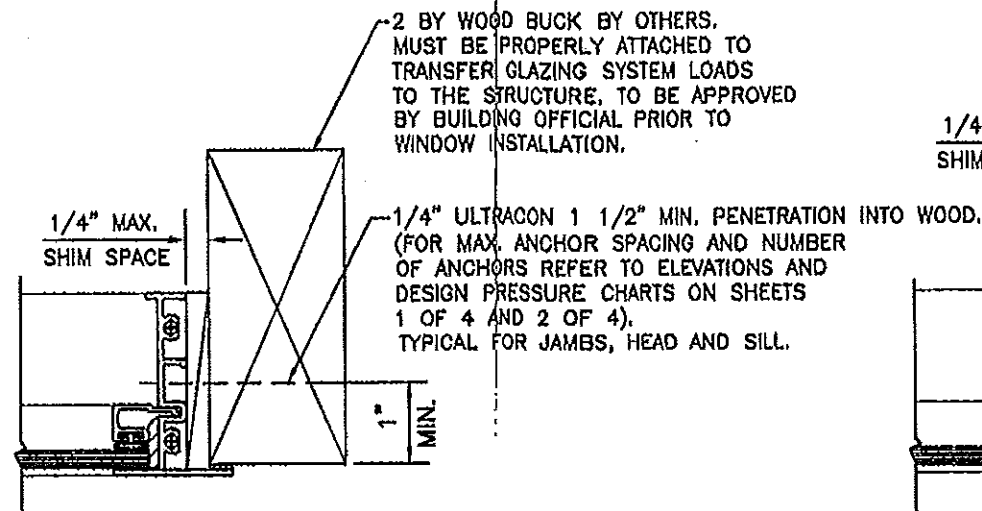
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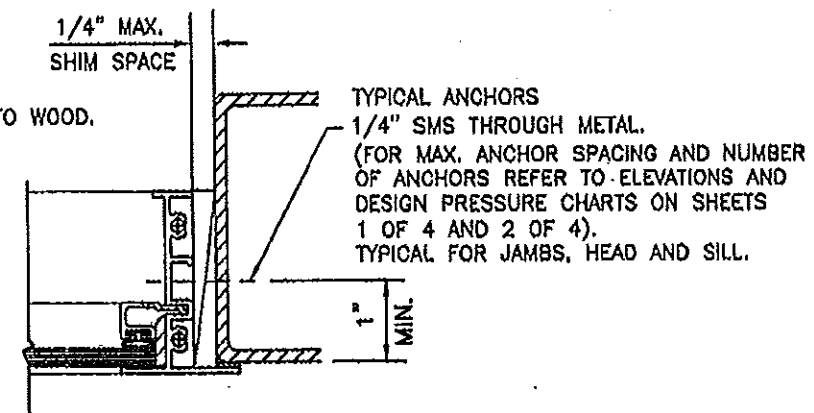
SHEET 2 OF 4



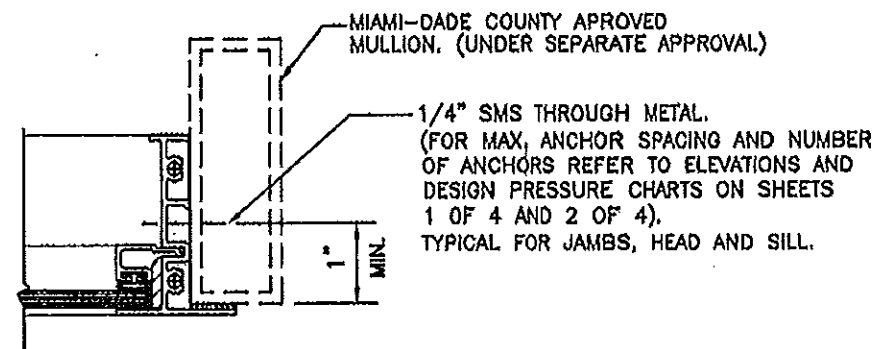
ATTACHMENT TO MASONRY



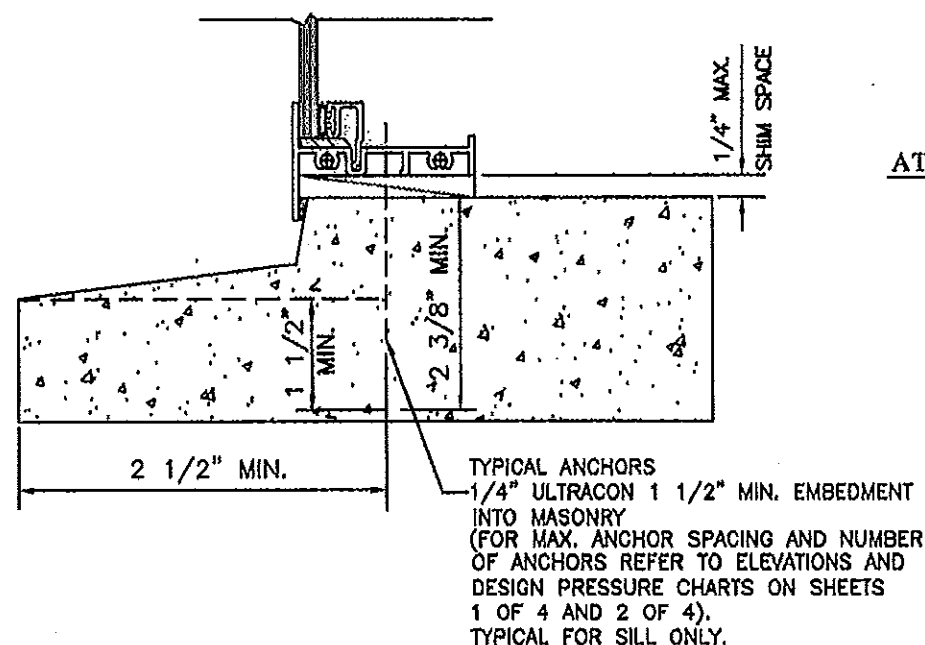
ATTACHMENT TO WOOD



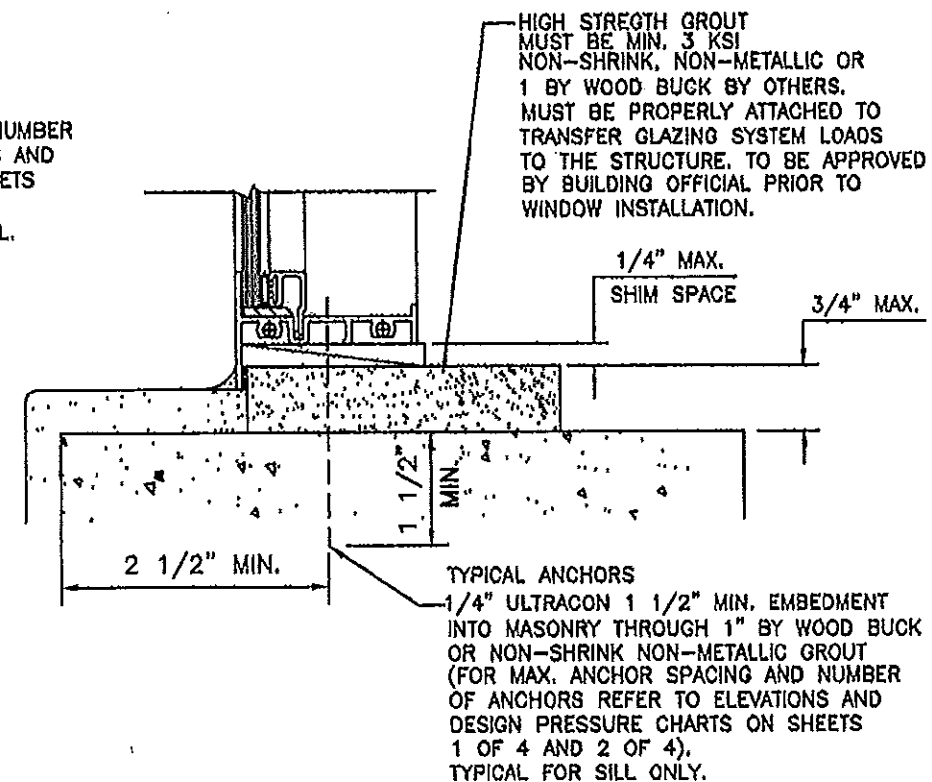
ATTACHMENT TO METAL STRUCTURE  
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)



ATTACHMENT TO MULLION



ATTACHMENT TO PRE-CAST SILL



ATTACHMENT TO MASONRY

TYPICAL SECTIONS

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0416-15  
Expiration Date Sept. 16, 2018  
By *Mamuel J. J.*  
Miami Dade Product Control

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-1109-04  
Expiration Date 09/16/2013  
By *Francisco Hernandez*  
Miami Dade Product Control

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9852  
Fax: (305)828-5118

SERIES 4230 ALUMINUM  
FIXED WINDOW  
NON-IMPACT RESISTANT GLASS

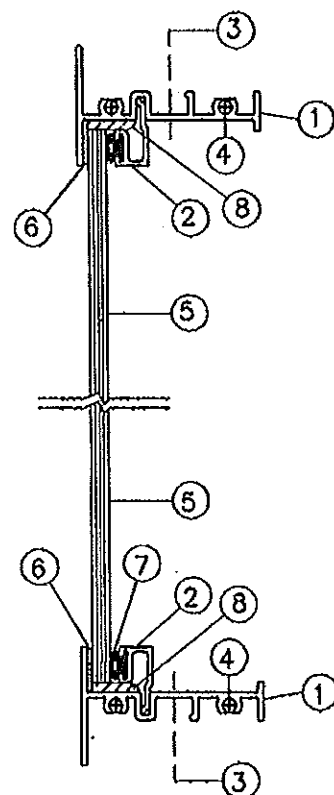
DATE	REVISION	REVISION
1 05-12-11	UPDATED FOR 2007 FBC	
2 03-05-12	UPDATED FOR 2010 FBC	

DRAWING No.  
PW08-02

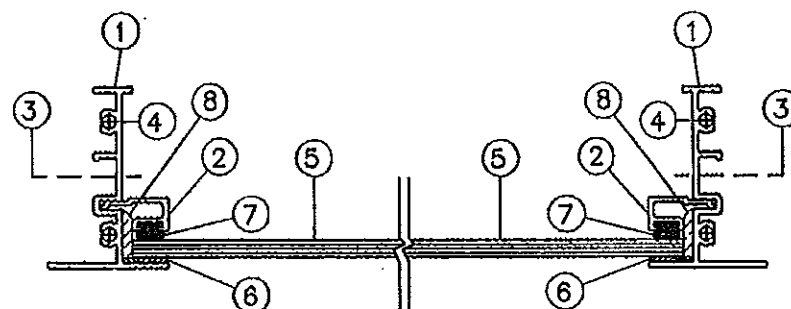
DATE: 11-20-08

SCALE: 1/2"=1"

SHEET 3 OF 4

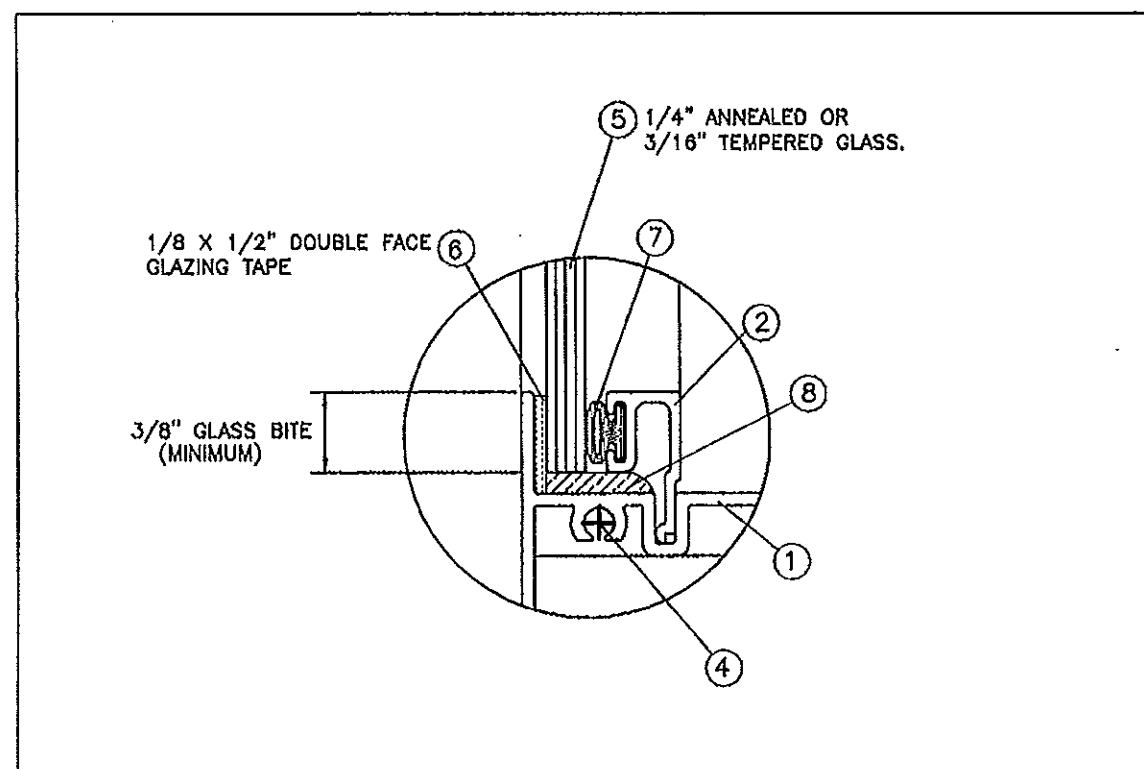


SECTION A - A



SECTION B - B

# GLAZING DETAIL

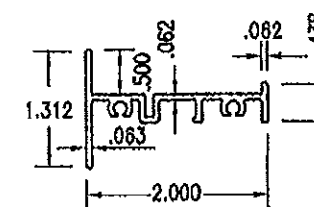


## MATERIAL LIST

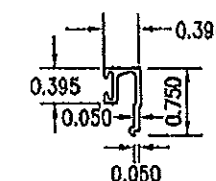
ITEM #	PART	DESCRIPTION	MATERIAL
1	SW-101	HEAD, SILL AND JAMBS	6063-T6
2	SSW-102	GLAZING BEAD	6063-T6
3	ANCHORS	SEE ELEVATIONS SHEETS 1 OF 4 AND 2 OF 4	
4	# 8" X 1" PH S.M.S	ASSEMBLY SCREW	
5	1/4" ANNEALED OR 3/16" TEMPERED GLASS	SEE GLAZING DETAIL ON SHEET 4 OF 4	
6	-	1/8" X 1/2" DOUBLE FACE GLAZING TAPE	FOAM
7	SW-3082	WEATHER STRIP BULB DUROMETER: 78A	VINYL
8	SEALANT	FLEXSIL 4300	SILICONE

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SERIES 4230 ALUMINUM  
FIXED WINDOW  
NON-IMPACT RESISTANT GLASS



ITEM No. 1  
PART SW-101  
FRAME



ITEM No. 2  
PART SSW-102  
GLAZING BEAD

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0416-15  
Expiration Date Sept. 16, 2018  
By: Manuel Perez  
Miami Dade Product Control

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-1109-04  
Expiration Date 09/16/2013  
By: Francisco Hernandez  
Miami Dade Product Control

FRANCISCO HERNANDEZ  
FLORIDA REG. # 51393

REVISION	DATE	No.
1	05-12-11	1
2	03-05-12	2

DRAWING No.  
PW08-02  
DATE: 11-20-08  
SCALE: 1/2"=1"  
SHEET 4 OF 4